

Table 21.8
Cancer of the Ovary(Invasive)

5-Year Relative and Period Survival (Percent) by Race, Diagnosis Year, Stage and Age

	All Races, Females			White Females			Black Females		
	All	<65	65+	All	<65	65+	All	<65	65+
5-Year Relative Survival (Percent)									
Year of Diagnosis:									
1960-1963 ^a	-	-	-	32	-	-	32	-	-
1970-1973 ^a	-	-	-	36	-	-	32	-	-
1975-1977 ^b	36.0	44.2	21.4	35.3	43.5	21.1	41.8	48.9	24.9 ^g
1978-1980 ^b	37.7	47.2	22.2	36.8	46.4	22.4	38.8	49.2	12.8
1981-1983 ^b	38.8	50.2	23.1	38.5	50.2	23.1	37.5	45.4	22.6
1984-1986 ^b	38.4	49.4	24.0	37.5	48.5	23.7	39.3	52.1	21.2
1987-1989 ^b	38.1	51.0	23.6	38.1	51.2	23.9	33.6	46.9	16.9
1990-1992 ^b	40.4	55.3	24.1	40.3	55.9	24.1	35.8	49.7	16.8
1993-1995 ^b	41.4	55.7	26.4	40.5	55.4	25.8	41.5	54.8	26.9
1996-1998 ^b	43.8	57.0	28.3	43.1	56.5	28.3	39.1	53.1	20.6
1999-2002 ^b	43.5	56.2	27.9	43.0	56.5	27.8	36.2	45.0	22.4
2003-2009 ^b	44.1 ^f	56.6 ^f	27.5 ^f	43.9 ^f	56.7 ^f	28.2 ^f	35.9	45.0	20.5
5-Year Period Survival (Percent) ^{cd}									
2009	44.5	57.0	27.7	44.2	57.3	27.9	35.7	44.4	22.9
Stage Distribution (%) 2003-2009 ^{ee}									
All Stages									
Number of cases	33,789	18,876	14,913	28,227	15,287	12,940	2,781	1,633	1,148
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	15	20	7	14	20	7	15	20	8
Regional	18	22	13	18	22	13	15	16	12
Distant	61	55	69	62	55	69	62	58	68
Unstaged	6	3	10	6	3	10	8	6	12
5-Year Relative Survival (Percent), 2003-2009 ^c									
Age at Diagnosis:									
Ages <45	74.8	-	-	74.9	-	-	70.2	-	-
Ages 45-54	57.5	-	-	58.5	-	-	40.0	-	-
Ages 55-64	46.2	-	-	46.8	-	-	32.2	-	-
Ages 65-74	36.9	-	-	37.8	-	-	24.0	-	-
Ages 75+	19.8	-	-	20.1	-	-	15.5	-	-
Ages <65	57.0	-	-	57.1	-	-	46.7	-	-
Ages 65+	27.5	-	-	28.0	-	-	20.2	-	-
Stage ^e :									
All Stages	44.2	57.0	27.5	44.0	57.1	28.0	36.1	46.7	20.2
Localized	91.9	93.2	87.1	91.9	93.5	86.7	88.4	90.0	80.7 ^g
Regional	72.0	79.6	55.9	72.6	80.2	57.2	54.4	63.6	35.4 ^g
Distant	27.3	35.6	18.6	27.6	36.2	19.1	20.0	26.3	11.9
Unstaged	21.5	49.1	9.5	20.6	48.3	9.9	25.7	47.9 ^g	10.4

Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

^a Based on End Results data from a series of hospital registries and one population-based registry.^b SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Based on follow-up of patients into 2010.

^c SEER 18 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey and Georgia excluding ATL/RG).

Based on follow-up of patients into 2010.

^d Period survival provides a 2009 estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2007-2009: 0-1 year survival), (2006-2008: 1-2 year survival), (2005-2007: 2-3 year survival), (2004-2006: 3-4 year survival), (2003-2005: 4-5 years survival).^e Stage at diagnosis is classified using SEER Summary Stage 2000.^f The difference between 1975-1977 and 2003-2009 is statistically significant (p<.05).^g The standard error is between 5 and 10 percentage points.^h The standard error is greater than 10 percentage points.

- Statistic could not be calculated due to fewer than 25 cases during the time period.